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ABSTRACT

This book brings together papers by scholars from around the globe on the historiography and history of mathematics and their integration with mathematical pedagogy. Of the three articles in Part 1, "Historiography and Sources", one identifies research trends in the history of mathematics, the second discusses the centrality of problems, and the third uses drama to recreate moments of mathematical discovery. Part 2, "Historical Studies: From Antiquity to the Scientific Revolution" and "From the Scientific Revolution to the Present", offers a range of scholarship in the history of mathematics, including mathematics education, from antiquity to the present. Part 3, listed under two titles: "Integration of History with Mathematics Teaching: Fundamentals and Selected Cases" and "Origins and Teaching of Calculus," includes papers on the topics of reasons to include the history of mathematics in mathematics education, Ethnomathematics, networks for sharing historical mathematics information, and a mathematics history course. (MKR)

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